

SEQUENCE LISTING

(1) GENERAL INFORMATION

- (i) APPLICANT: Hillman, Jennifer L.
Goli, Surya K.
- (ii) TITLE OF THE INVENTION: NOVEL HUMAN MITOCHONDRIAL
MEMBRANE PROTEIN
- (iii) NUMBER OF SEQUENCES: 4
- (iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Incyte Pharmaceuticals, Inc.
(B) STREET: 3174 Porter Drive
(C) CITY: Palo Alto
(D) STATE: CA
(E) COUNTRY: USA
(F) ZIP: 94304
- (v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Diskette
(B) COMPUTER: IBM Compatible
(C) OPERATING SYSTEM: DOS
(D) SOFTWARE: FastSEQ for Windows Version 2.0
- (vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER: To Be Assigned
(B) FILING DATE: Filed Herewith
- (vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE:
- (viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Billings, Lucy J
(B) REGISTRATION NUMBER: 36,749
(C) REFERENCE/DOCKET NUMBER: PF-0229 US
- (ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: 415-855-0555
(B) TELEFAX: 415-845-4166

(2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 172 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

- (vii) IMMEDIATE SOURCE:
(A) LIBRARY: BLADNOT04
(B) CLONE: 1318463

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Met	Glu	Glu	Tyr	Ala	Arg	Glu	Pro	Cys	Pro	Trp	Arg	Ile	Val	Asp	Asp
1				5					10					15	
Cys	Gly	Gly	Ala	Phe	Thr	Met	Gly	Val	Ile	Gly	Gly	Gly	Val	Phe	Gln
			20					25					30		
Ala	Ile	Lys	Gly	Phe	Arg	Asn	Ala	Pro	Val	Gly	Ile	Arg	His	Arg	Leu
		35					40					45			

Arg Gly Ser Ala Asn Ala Val Arg Ile Arg Ala Pro Gln Ile Gly Gly
 50 55 60
 Ser Phe Ala Val Trp Gly Gly Leu Phe Xaa Thr Ile Asp Cys Gly Leu
 65 70 75 80
 Val Arg Leu Arg Gly Lys Glu Asp Pro Trp Asn Ser Ile Thr Ser Gly
 85 90 95
 Ala Leu Thr Gly Ala Val Leu Ala Ala Arg Ser Gly Pro Leu Ala Met
 100 105 110
 Val Gly Ser Ala Met Met Gly Gly Ile Leu Leu Ala Leu Ile Glu Gly
 115 120 125
 Val Gly Ile Leu Leu Thr Arg Tyr Thr Ala Gln Gln Phe Arg Asn Ala
 130 135 140
 Pro Pro Phe Leu Glu Asp Pro Ser Gln Leu Pro Pro Lys Asp Gly Thr
 145 150 155 160
 Pro Ala Pro Gly Tyr Pro Ser Tyr Gln Gln Tyr His
 165 170

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 655 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:

- (A) LIBRARY: BLADNOT04
 (B) CLONE: 1318463

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

CGCGCGNCAG	ACGNCAGCGC	CATGGAGGAG	TACGCTCGGG	AGCCCTGCCC	ATGGCGAATT	60
GTGGATGATT	GCGGTGGAGC	CTTCACTATG	GGTGTCATCG	GTGGCGGAGT	CTTCCAGGCC	120
ATCAAGGGTT	TCCGCAATGC	CCCTGTTGGA	ATTCCGGCACC	GGTTGAGAGG	TAGTGCCAAT	180
GCTGTGAGGA	TCCGAGCCCC	CCAGATTGGA	GGTAGCTTCG	CAGTGTGGGG	GGGCCTGTTC	240
TNCACCATTG	ACTGTGGCCT	GGTGC GGCTT	CGGGGCAAGG	AGGATCCCTG	GAACCTATC	300
ACCACTGGAG	CATTGACCGG	GGCTGTGCTG	GCTGCCCGCA	GTGGCCCACT	GGCCATGGTG	360
GGCTCAGCAA	TGATGGGGGG	CATCCTGTTG	GCCCTCATTG	AGGGCGTTGG	CATCCTCCTC	420
ACTCGCTACA	CAGCCCAGCA	GTTCCGAAAT	GCGCCCCCAT	TCCTGGAGGA	CCCCAGCCAG	480
CTGCCCCCTA	AGGATGGCAC	CCCGGCCCCA	GGCTACCCCA	GCTATCAGCA	GTACCACTGA	540
GGAAGCCACT	GCCACCATGG	GAGCTACTTC	TCGGTTCCCT	CCCCGATGGT	CTACCTCGAA	600
GGGAGGGCTG	GCTCCAGT	AGCCCTGGGA	CCCTCCAGAG	AGGGTTTCTA	TCTGT	655

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 171 amino acids
 (B) TYPE: amino acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(vii) IMMEDIATE SOURCE:

- (A) LIBRARY: GenBank
 (B) CLONE: GI 1770564

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Met Glu Glu Tyr Ala Arg Glu Pro Cys Pro Trp Arg Ile Val Asp Asp
 1 5 10 15
 Cys Gly Gly Ala Phe Thr Met Gly Thr Ile Gly Gly Gly Ile Phe Gln
 20 25 30
 Ala Ile Lys Gly Phe Arg Asn Ser Pro Val Gly Val Asn His Arg Leu
 35 40 45
 Arg Gly Ser Leu Thr Ala Ile Lys Thr Arg Ala Pro Gln Leu Gly Gly
 50 55 60

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Ser Phe Ala Val Trp Gly Gly Leu Phe Ser Met Ile Asp Cys Ser Met
65      70      75      80
Val Gln Val Arg Gly Lys Glu Asp Pro Trp Asn Ser Ile Thr Ser Gly
      85      90      95
Ala Leu Thr Gly Ala Ile Leu Ala Ala Arg Asn Gly Pro Val Ala Met
      100     105     110
Val Gly Ser Ala Ala Met Gly Gly Ile Leu Leu Ala Leu Ile Glu Gly
      115     120     125
Ala Gly Ile Leu Leu Thr Arg Phe Ala Ser Ala Gln Phe Pro Asn Gly
      130     135     140
Pro Gln Phe Ala Glu Asp Pro Ser Gln Leu Pro Ser Thr Gln Leu Pro
145      150      155      160
Ser Ser Pro Phe Gly Asp Tyr Arg Gln Tyr Gln
      165      170

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(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 158 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(vii) IMMEDIATE SOURCE:

- (A) LIBRARY: GenBank
- (B) CLONE: GI 557267

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

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Met Ser Ala Asp His Ser Arg Asp Pro Cys Pro Ile Val Ile Leu Asn
1      5      10      15
Asp Phe Gly Gly Ala Phe Ala Met Gly Ala Ile Gly Gly Val Val Trp
      20      25      30
His Gly Ile Lys Gly Phe Arg Asn Ser Pro Leu Gly Glu Arg Gly Ser
      35      40      45
Gly Ala Met Ser Ala Ile Lys Ala Arg Ala Pro Val Leu Gly Gly Asn
      50      55      60
Phe Gly Val Trp Gly Gly Leu Phe Ser Thr Phe Asp Cys Ala Val Lys
65      70      75      80
Ala Val Arg Lys Arg Glu Asp Pro Trp Asn Ala Ile Ile Ala Gly Phe
      85      90      95
Phe Thr Gly Gly Ala Leu Ala Val Arg Gly Gly Trp Arg His Thr Arg
      100     105     110
Asn Ser Ser Ile Thr Cys Ala Cys Leu Leu Gly Val Ile Glu Gly Val
      115     120     125
Gly Leu Met Phe Gln Arg Tyr Ala Ala Trp Gln Ala Lys Pro Met Ala
      130     135     140
Pro Pro Leu Pro Glu Ala Pro Ser Ser Gln Pro Leu Gln Ala
145      150      155

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